	Application No. Applicant(s)			
Notice of Allowability	09/851,865	CRAPO ET AL.	CRAPO ET AL.	
	Examiner	Art Unit		
	Pedro J. Cuevas	2834		
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIP of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commining (GHTS). This application is so	n this application. If not include unication will be mailed in due	led course. <b>THIS</b>	
<ol> <li>This communication is responsive to <u>amendment filled on</u></li> <li>The allowed claim(s) is/are <u>12-18,30 and 31-40</u>.</li> <li>The drawings filed on <u>09 May 2001</u> are accepted by the End.</li> <li>Acknowledgment is made of a claim for foreign priority under a)</li></ol>	xaminer. der 35 U.S.C. § 119(a)-(d) o e been received. e been received in Applicatio	on No	ation from the	
<ul> <li>3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> <li>5. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).</li> <li>(a) The translation of the foreign language provisional application has been received.</li> <li>6. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.</li> </ul>				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE  7.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF				
<ul> <li>INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.</li> <li>8.  CORRECTED DRAWINGS must be submitted. <ul> <li>(a)  including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached</li> <li>1)  hereto or 2)  to Paper No</li> <li>(b)  including changes required by the proposed drawing correction filed, which has been approved by the Examiner.</li> <li>(c)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No</li> </ul> </li> </ul>				
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.				
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.				
Attachment(s)				
<ul> <li>1⊠ Notice of References Cited (PTO-892)</li> <li>3□ Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>5⊠ Information Disclosure Statements (PTO-1449), Paper No. 1/2</li> <li>7□ Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ul>	4∏ Interview <u>∕03</u> . 6⊠ Examin	of Informal Patent Application w Summary (PTO-413), Pape er's Amendment/Comment er's Statement of Reasons for .	r No	

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## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows: Please cancel claims 1-11 and 19-29.

## Allowable Subject Matter

- 2. Claims 12-18, 30, and 31-40 are allowed.
- 3. The following is an examiner's statement of reasons for allowance.

Uchida et al. clearly teaches the construction of a rotor for a synchronous rotary machine comprising:

a rotor; and

a plurality of axial rotor sections defined on a radially outer surface of said rotor, wherein each of said axial rotor sections include a set of permanent magnets including m magnet poles,

wherein axial rotor sections are rotationally offset and said edges of said permanent magnets define stair step interfaces.

Carpenter et al. teach the construction of a dynamoelectric machine with permanent magnet and magnet mounting surface arrangement wherein said permanent magnets are one of arc magnets and breadloaf magnets for the purpose of forming a cylindrical surface and a skew angle with the axis corresponding with the rotational offset of the magnet mounting surfaces to

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define skewed slots between skewed magnetic poles extending the substantial axial length of the core.

The prior art of record, taken alone or in combination, fails to teach the construction of a permanent magnet electric machine with reduced cogging torque as described on independent claims 12 and 30, wherein said permanent magnets of said rotor include substantially unmagnetized straight skewed areas.

Dependent claims 13-18 and 31 are considered allowable by their respective dependence on allowed independent claims 12 and 30.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pedro J. Cuevas whose telephone number is (703) 308-4904. The examiner can normally be reached on M-F from 8:30 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor R. Ramírez can be reached on (703) 308-1371. The fax phone numbers for

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the organization where this application or proceeding is assigned are (703) 305-1341 for regular communications and (703) 305-3432 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Pedro J. Cuevas
July 9, 2003